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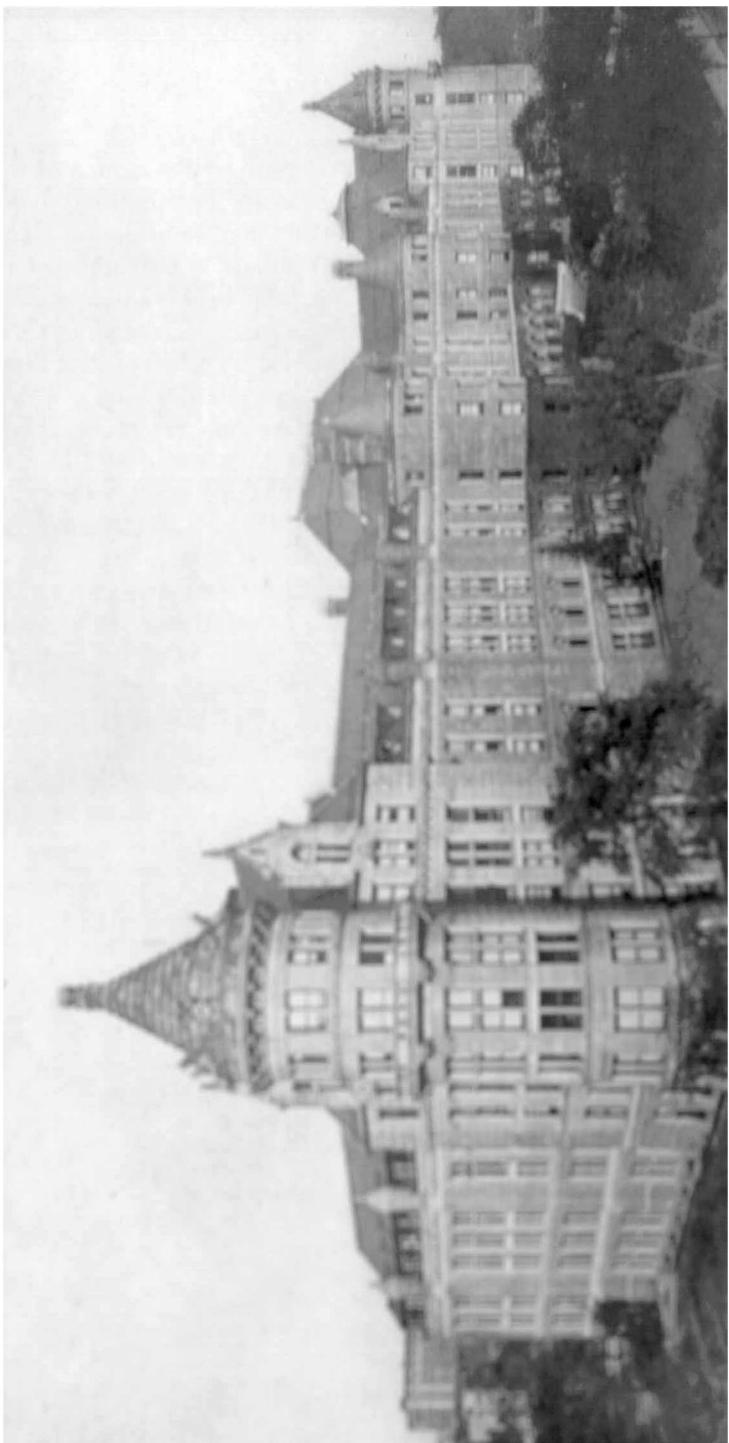
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THE AMERICAN MUSEUM OF NATURAL HISTORY,  
In which the autumn meeting of the National Academy of Sciences was held.

## THE PROGRESS OF SCIENCE

*THE NEW YORK MEETING OF  
THE NATIONAL ACADEMY  
OF SCIENCES*

THE National Academy of Sciences held its annual autumn meeting during the third week of November in the American Museum of Natural History. The central situation of New York City and its scientific attractions led to a large meeting and an excellent program. There were present over sixty members, nearly one half of a membership widely scattered over the country. When the academy was established in 1863 as the adviser of the government in scientific questions, the membership was limited to fifty which was subsequently increased to 100, under which it was kept until recently. The present distribution of the 141 members among different institutions in which there are more than two is: Harvard, 19; Yale, 15; Chicago, 13; Johns Hopkins, 12; Columbia, 11; U. S. Geological Survey, 8; Carnegie Institution, 5; California, Rockefeller Institute, Smithsonian, 4; Clark, Wisconsin, Cornell, Stanford, 3.

The scientific program of the meeting began with a lecture by Professor Michael I. Pupin, of Columbia University, who described the work on aerial transmission of speech of which no authentic account has hitherto been made public. To Professor Pupin we owe the discovery through mathematical analysis and experimental work of the telephone relays which recently made speech by wire between New York City and San Francisco possible, and we now have an authoritative account of speaking across the land and sea a quarter way round the earth. One session of the academy was devoted to four papers of general interest. Professor Herbert S. Jennings, of the Johns Hopkins University, described experiments showing evolution in prog-

ress, and Professor John M. Coulter, of the University of Chicago, discussed the causes of evolution in plants. Professor B. B. Boltwood made a report on the life of radium which may be regarded as a study of inorganic evolution. Professor Theodore Richards, of Harvard University, spoke of the investigations recently conducted in the Wolcott Gibbs Memorial Laboratory. These are in continuation of the work accomplished by Professor Richards in the determination of atomic weights, which led to the award to him of a Nobel prize, the third to be given for scientific work done in this country, the two previous awards having been to Professor Michelson, of the University of Chicago, in physics, and Dr. Carrel, of the Rockefeller Institute, in physiology.

Of more special papers, some of which, however, were of general and even popular interest, there were on the program 36, distributed somewhat unequally among the sections into which the academy is divided as follows: Mathematics, 0; Astronomy, 3; Physics and Engineering, 7; Chemistry, 1; Geology and Paleontology, 6; Botany, 7; Zoology and Animal Morphology, 8; Physiology and Pathology, 4; Anthropology and Psychology, 0. A program covering all the sciences belongs in a sense to the eighteenth rather than to the twentieth century; still there is human as well as scientific interest in listening to those who are leaders in the conduct of scientific work.

The academy was fortunate in meeting in the American Museum of Natural History, where in addition to the scientific sessions luncheon and an evening reception were provided. The museum has assumed leadership both in exhibits for the public and in the scientific research which it is accom-

MEMBERS OF THE NATIONAL ACADEMY OF SCIENCES AT THE ENTRANCE OF THE AMERICAN MUSEUM OF NATURAL HISTORY.





ENTRANCE TO THE AMERICAN MUSEUM OF NATURAL HISTORY.

plishing. The planning of museum exhibits is itself a kind of research and in this direction the American Museum, together with the National Museum in Washington and the Field Museum in Chicago, now surpasses any of the museums of the old world and in the course of the next ten years will have no rivals there. It is interesting that the city and an incorporated board of trustees are able to cooperate in the support of the museum, as is also the case with the Zoological Park and the Botanical Gardens which the members of the academy visited in the course of the meeting.

*FREDERIC WARD PUTNAM*

Powell in Washington, Brinton in Philadelphia and Putnam in Cam-

bridge may be regarded as the founders of modern anthropology in America. In the death of Putnam, at the age of seventy-six years, we have lost the last of these leaders.

Putnam is often spoken of as the father of anthropological museums because he, more than any other one person, contributed to their development. He seems to have been a museum man by birth, for at an early age we find him listed as curator of ornithology in the Essex Institute of Salem, Mass. The Peabody Museum of Archeology at Cambridge is largely his work, he having entered the institution in 1875 and continued as its head until his death. This institution is in many respects one of the most typical anthropological museums in America. Dur-